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Language abbreviations

Lang	Abb
Af	al Afrikaans
Ar	ar Arabic
Be	be Belorussian
Bg	bg Bulgarian
Ch	ch Chinese
Cs	cs Czech
Da	da Danish
En	en English
Et	ee Estonian
Fi	fi Finnish
Fl	fl Flemish
Fr	fr French
De	de German
Gr	gr Greek
He	he Hebrew
Ho	hu Hungarian
It	it Italian
Ja	ja Japanese
Lv	lv Latvian
Li	li Lithuanian
No	no Norwegian
Pl	pl Polish
Pt	pt Portuguese
Ro	ro Romanian
Ru	ru Russian
Sh	sh Serbo-croat
Sk	sk Slovak
Sl	sl Slovenian
Es	es Spanish
Sv	sv Swedish
Tr	tr Turkish
Uk	uk Ukrainian

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A	application date
Acc.	accepted
Appn.	application
Contn.	Continuation
P	publication date
PR	priority date
Ser. No.	serial number

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Preface

Industrial Microbiology Abstracts commenced publication in October 1965; the title was changed to Microbiology Abstracts, Section A, in October 1966. It is published monthly, each issue comprising 800 to 1000 abstracts. Abstracts are presented in numerical sequence under 71 headings and sub-headings. Abstracts are cross-indexed to all sub-headings to which they are relevant. Each issue contains full author and patentee indexes.

Titles are given in English for all papers; titles of papers in the European languages, excluding those using the Cyrillic alphabets, are also given in the original language; for other languages only the English translation is given. Titles of patent abstracts are enriched to include aspects of interest to the microbiologist. Titles are followed, in the case of papers, by all authors, the address of the first author, and full bibliographic data concerning the source journal; journal titles are abbreviated in accordance with the procedures laid down by the American National Standards Institute Committee Z39. In the case of abstracts of patents, the patent number is followed by the name of the patentee, and dates of publication, application and priority. Application and priority numbers are given, with these dates, and country names are abbreviated in accordance with ICIREPAT country code, part of which is given on the inside back cover.

The editorial policy of IRL is to present informative abstracts in 150-200 words, except in cases of review papers where an indicative abstract is provided. When an informative abstract given in the source journal meets IRL's requirement it is cited in preference to writing a new abstract; this policy follows the recent recommendations of the American National Standards Institute Sub-Committee no.6 of Committee Z39.

In the text of abstracts, frequently used terms are abbreviated and a full list of abbreviations will be found on the inside back cover.

Study of the table of contents will show the full scope of Microbiology Abstracts, Section A. Broadly, the applied aspects of bacteriology, mycology and virology are covered.

Arrangement of papers is mainly alphabetical by:
name of product (products of micro-organisms, mycotoxins, antibiotics, vaccines);

name of host plant (post-harvest decay, plant diseases);
name of microorganism.

Sections concerned with chemical compounds (plant protection, protection of materials, antimicrobial agents, therapy, hygiene) are arranged by forming the following groups of related compounds: metallic, organophosphorous, CN-containing, carbamate, S-containing, homocyclic, heterocyclic, polycyclic, and N-containing compounds, and placing all those which do not belong to such groups at the beginning of the section.

Patents are arranged in groups under a common patentee and thereafter in alphabetical order by country of origin and by patent number.

Papers concerned with pharmaceutical chemicals e.g. ampicillin, dapsone, nitro-furantoin, are arranged alphabetically, and in vitro studies precede those in experimental animals and in man.

The sections 'Hydrocarbons: Utilisation' and 'Veterinary medicine' are arranged according to the order of subject matter laid down on the contents page, between 'Products of microorganisms' and 'Yeast products' for the former, and 'Therapy' and 'Antibiotics: Tetracyclines' for the latter.

The following papers on antibiotics are excluded:

- (a) Those in which the antibiotic is used merely as an experimental tool
- (b) Those in which it is used as a mutagen in organisms other than microorganisms
- (c) Those concerning cancer chemotherapy
- (d) Those concerning protein and nucleic acid metabolism in organisms other than microorganisms.

The food microbiology sections are arranged as follows:

Fermentation: beers, wines, spirits, vinegar, etc.

Food microbiology: dairy products, eggs, meat, fish, bakery products, fruit and vegetables, flavourings, non-fermented beverages.

A multi-disciplinary monitoring list of 3000 primary journals is scanned by IRL's staff in compiling Microbiology Abstracts. This ensures that literature in disciplines related to microbiology is given coverage in addition to that of direct relevance.

At the completion of each annual volume an index is compiled, each abstract being indexed by from 3 to 12 subject entries. Special attention is paid to the indexing of the names of organisms. In addition, computer-generated annual author and patentee indexes are published.

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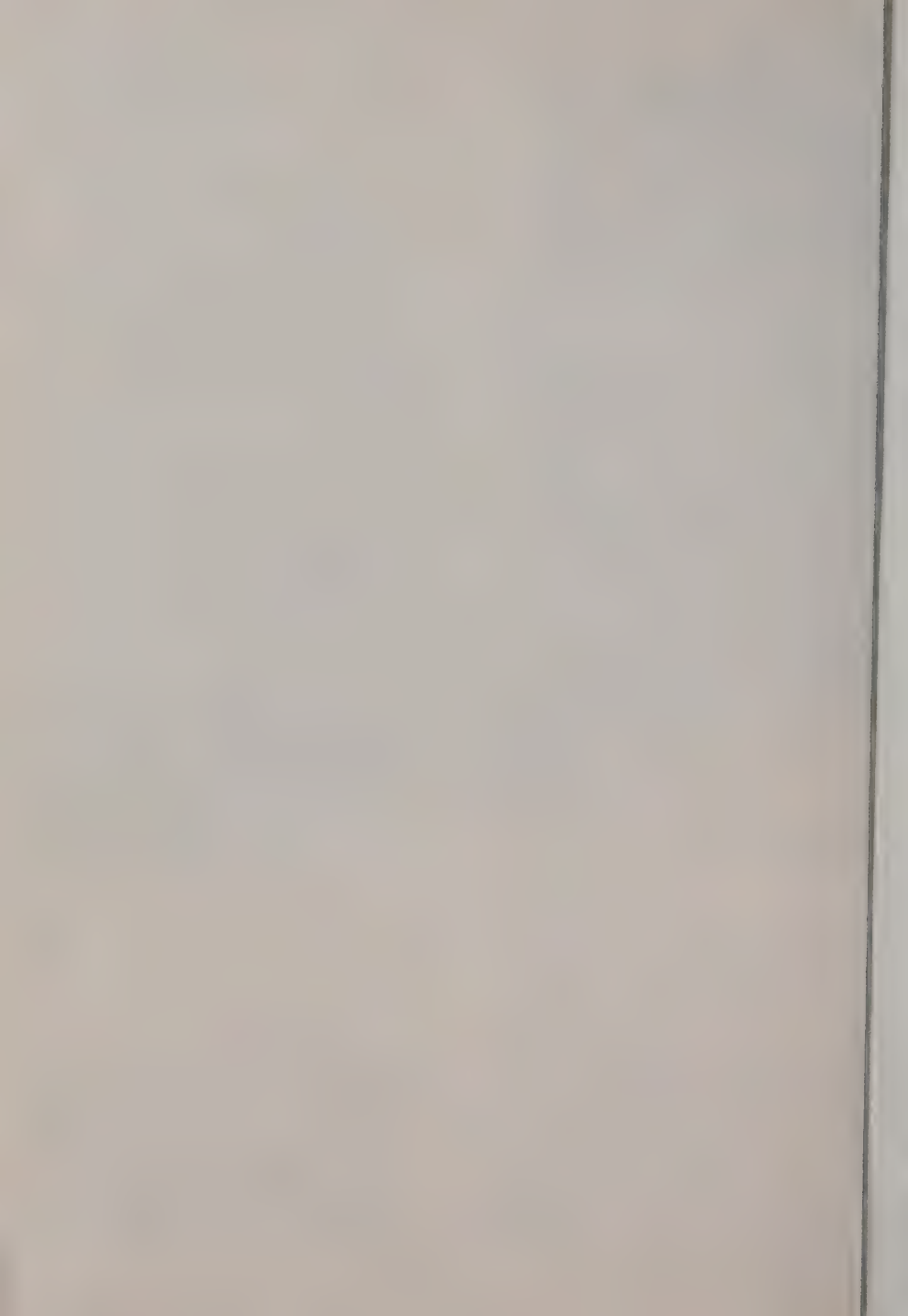
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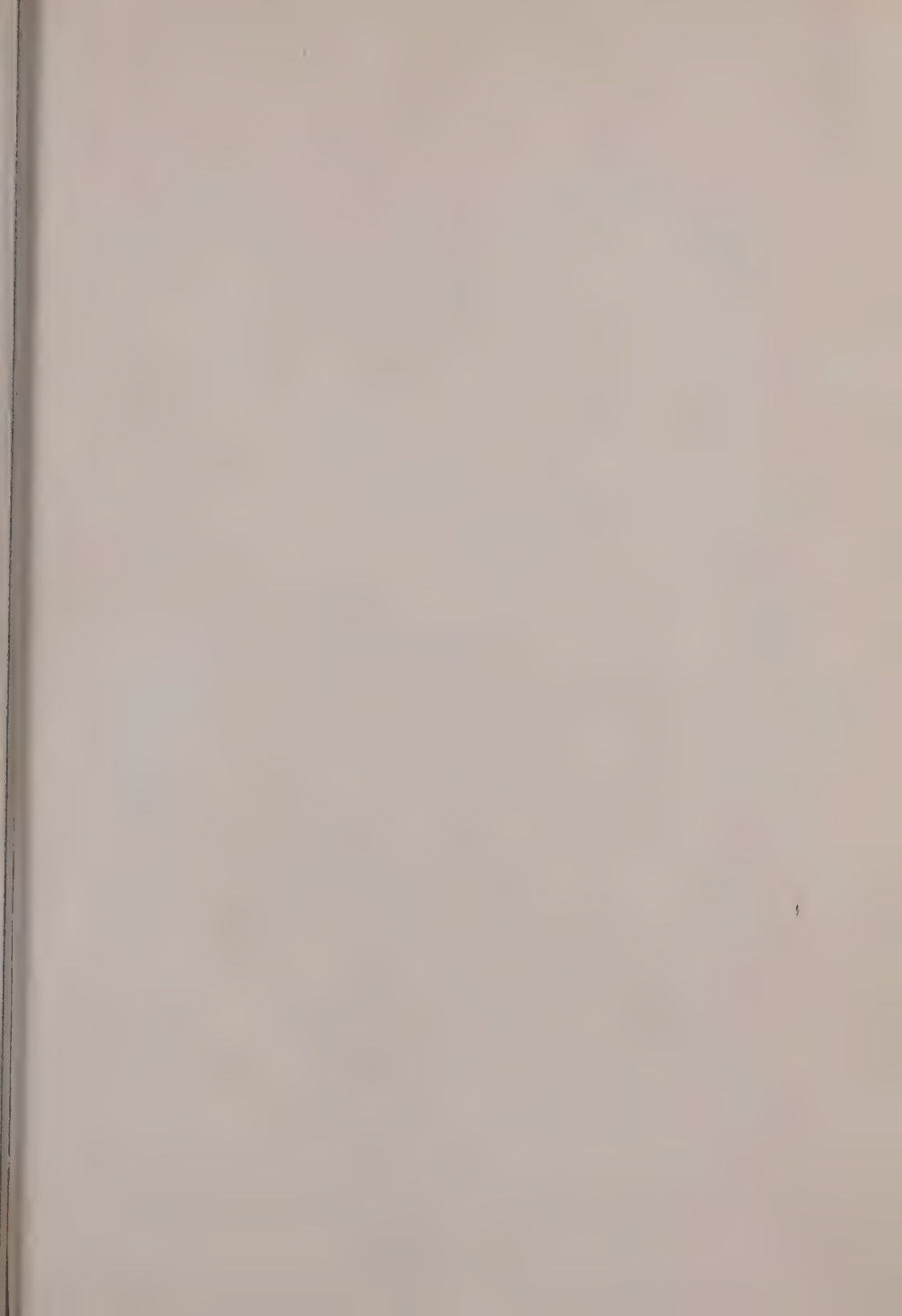
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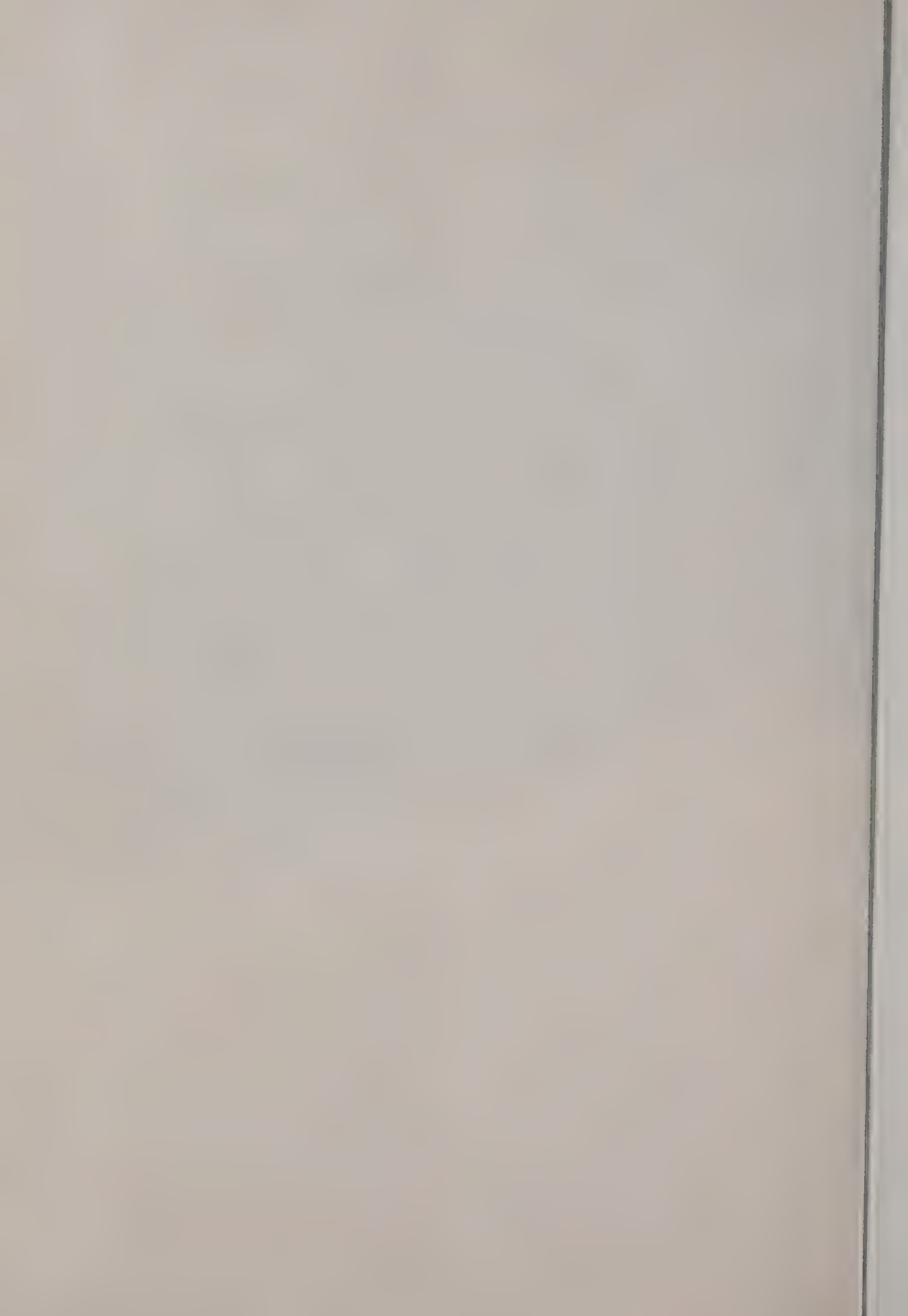
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Zymosan, administered to rats, 2244







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Abbreviations

						Language abbreviations	
A	adenine	GDP	guanosine diphosphate	PMR	proton magnetic resonance		
Å	angstrom	gen	genus	p.o.	per os	af	Afrikaans
ACH	acetylcholine	gen.n.	new genus	PP	pyrophosphate	ar	Arabic
ACTH	adrenocorticotrophic hormone	GLC	gas liquid chromatography	PPLO	pleuropneumonia-like organism	be	Belorussian
ADP	adenosine diphosphate	GMP	guanosine monophosphate	ppm	parts per million	bg	Bulgarian
AMP	adenosine monophosphate	GSPD	glucose-6-phosphate dehydrogenase	Prot.	Protura	ch	Chinese
Anopl.	Anoplura			Pseudosc.	Pseudoscorpiones	cs	Czech
AP	arginine phosphate	GTP	guanosine triphosphate			da	Danish
approx	approximately	HA	haemagglutination	p.s.i.	pounds per square inch	nl	Dutch
Arach.	Arachnida	Hb	haemoglobin	Psec.	Pseudocoptera	en	English
Aran.	Araneae	Hem.	Hemiptera	PTC	phenylthiocarbamide	ee	Estonian
at wt	atomic weight	Het.	Heteroptera	PTH	parathyroid extract	fi	Finnish
ATP	adenosine triphosphate	Hi	haemagglutination inhibition	quarter in die	(4 times a day)	fl	Flemish
ATPase	adenosine triphosphatase	Hom.	Homoptera	quat	quaternary	fr	French
Aug	August	hr	hour(s)	rad	radiation unit (100 ergs/g)	de	German
BOD	biochemical oxygen demand	HS	horizontal section	RBC	red blood cell	gr	Greek
b.i.d.	bis in die (twice daily)	HT	hydroxytryptamine	RI	relative flow rate	he	Hebrew
BHC	benzene hexachloride	Hym.	Hymenoptera	RH	relative humidity	hu	Hungarian
Blatt.	Blattodea	Hz	hertz	RNA	ribonucleic acid	it	Italian
c	curie	i.a.	intraarterial, -ly	RNase	ribonuclease	ja	Japanese
ca	cytosine	IAA	indole acetic acid	RNP	ribonucleoprotein	lv	Latvian
C	circa	i.c.	intracerebral, -ly	rpm	revolutions per minute	li	Lithuanian
CC	corpora allata, corpus allatum	i.d.	intradermal, -ly	rQ	respiratory quotient	no	Norwegian
CC	corpora cardiaca	ID ₅₀	median infective dose	rRNA	ribosomal RNA	pl	Polish
CD ₅₀	median curative dose	IGP	inosine diphosphate	S	Svedberg unit	pt	Portuguese
CDP	cytidine diphosphate	Idg, M, etc	immunoglobulin G, M, etc	s.c.	subcutaneous, -ly	ro	Romanian
CF	complement fixation	i.m.	intramuscular, -ly	Scorp.	Scorpiones	ru	Russian
CFU	colony forming unit	IMP	inosine monophosphate	SDS	sodium dodecyl sulphate	sh	Serbo-croat
Chil.	Chilopoda	in	inch, inches	sec	second(s)	sk	Slovak
CM-cellulose	carboxymethyl cellulose	i.n.	intranasal, -ly	Septr	September	sn	Slovenian
CMP	cytidine monophosphate	INH	isoniazid	SG	Specific gravity	es	Spanish
CNS	central nervous system	i.p.	intraperitoneal, -ly	Siphon.	Siphonoptera	sv	Swedish
CoA	co-enzyme A	IR	infrared	sp(p)	species	tr	Turkish
CoASH	reduced co-enzyme A	isopt.	isoptera	sp.n.	new species	uk	Ukrainian
COD	chemical oxygen demand	i.v.	intravenous, -ly	s.str.	sensu stricto		
coeff	coefficient	Jan	January	str	strain		
Col.	Coleoptera	JH	juvenile hormone	Streps.	Strepsiptera		
Collem.	Collembola	k	kilo	subfam.n.	new subfamily		
comb.n.	new combination	kc/s	kilocycles per second	subgen	subgenus		
compd	compound	Km	Michaelis constant	subgen.n.	new subgenus		
conc	concentration	lb	pound(s)	subsp(p)	subspecies		
CoQ	co-enzyme Q (ubiquinone)	L/D	light/dark regime	subsp.n.	new subspecies		
CPE	cytopathic effect	LD ₅₀	median lethal dose	SV40	simian virus 40		
c/s	cycles per second	LDH	lactate dehydrogenase	syn.n.	new synonym		
CSF	cerebrospinal fluid	lep.	Lepidoptera	thymine	thymine		
CT	calcitonin	log	logarithm	TCA	trichloroacetic acid		
CTP	cytidine triphosphate	LS	longitudinal section	TCID ₅₀	median tissue culture infective dose		
cv	cultivar	m	milli or meter(s)	TCT	thyrocalcitonin		
cvt	cytchrome	M	molar	TEM	triethylene melamine		
D	decimal reduction time	μ	micro, micron(s)	temp	temperature		
DD	dichloro-diphenyl-acetic acid	Mall.	Mallophaga	tert	tertiary		
DDD	dichloro-diphenyl-dichloroethylene	Mant.	Mantodea	Thysanopt.	Thysanoptera		
DDT	dichloro-diphenyl-trichloroethane	MBC	minimum bactericidal concentration	t.i.d.	ter in die (three times a day)		
DEAE-cellulose	diethylaminoethyl cellulose	Mec.	Mecoptera	TLC	thin-layer chromatography		
Dec	December	Megal.	Megaloptera	TMV	tobacco mosaic virus		
Derm.	Dermoptera	mg	milligram(s)	trib.n.	new tribe		
diam	diameter	MIC	minimum inhibitory concentration	Trich.	Trichoptera		
Dipl.	Diptura	min	minute(s)	Tris	2-amino-2-hydroxymethylpropane-1,3-diol		
Diplop.	Diplopoda	mol wt	molecular weight	rRNA	transfer RNA		
Dipt.	Diptera	mp	melting point	TS	transverse section		
DNA	deoxyribonucleic acid	MPN	most probable number	U	uracil		
Dnase	deoxyribonuclease	mRNA	messenger RNA	UDP	uridine diphosphate		
DNP	deoxyribonucleoprotein	Myriap.	Myriapoda	UDPG	uridine diphosphate glucose		
dopa	3,4-dihydroxyphenylalanine	n	nano	UDPAG	uridine diphosphate		
E		NAD(H ₂)	(reduced) nicotinamide adenine dinucleotide	UMP	uridine monophosphate		
ECTELOA-cellulose	epichlorohydrin-triethanolamine and cellulose	NADP(H ₂)	(reduced) nicotinamide adenine dinucleotide phosphate	UTP	uridine triphosphate		
Ed ₅₀	median effective dose	Neur.	Neuroptera	UV	ultraviolet		
EDA	ethylenediamine-tetraacetic acid	NMR	nuclear magnetic resonance	var	variety		
Emb.	Embioptera	nom.n.	new name	var.n.	new variety		
EMP	Emden-Meyerhof-Parnas	Nov	November	vol	volume		
EMS	ethyl methane sulphate	NTP	normal temperature & pressure	VS	vertical section		
ENT	ear, nose and throat	Oct	October	v/v	volume per volume		
Ephem.	Ephemeroptera	OD	optical density	WBC	white blood cell		
ER	endoplasmic reticulum	Odon.	Odonata	wk	week, weeks		
ESR	electron spin resonance	Oncych.	Oncychophora	w/v	weight per volume		
f	form	OP	Opiliones	w/w	weight per weight		
FA	fatty acid(s)	Orth.	Orthoptera	Xiph.	Xiphosura		
FAD	flavine adanine dinucleotide	oz	ounce(s)	yd	yard(s)		
fam.n.	new family	PAS	para-aminosalicylic acid	yr	year(s)		
Feb	February	PBS	phosphate buffered saline	Zor.	Zoraptera		
FP(H ₂)	(reduced) flavoprotein	PDA	potato dextrose agar	%	per cent		
f.sp.	forma specialis	PFU	plaque forming unit	‰	per thousand		
ft	root, feet	PGPD	6-phosphogluconate dehydrogenase				
ft.c	foot-candle(s)	PGM	phosphoglucomutase				
fthm	fathom(s)	PHA	phytohaemagglutinin				
g	gram(s)	Phasm.	Phasmatodes				
g	guanine	PfU	pock forming unit				
GABA	gamma-aminobutyric acid	Plec.	Plecoptera				
gall	gallon(s)						

In abstracts of patents the following occur:

Acc.	application date
Appln.	accepted
Contn.	application
P	Continuation
PR	publication date
Ser. No.	priority date
	serial number

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Amino acids are only abbreviated in the description of their sequence in a peptide or protein; the I.U.P.A.C. abbreviations are used. Positive inorganic ions are written as Mn^{2+} , Na^{+} , negative ions as Cl^{-} , SO_4^{2-} . Elements are denoted by symbols.

